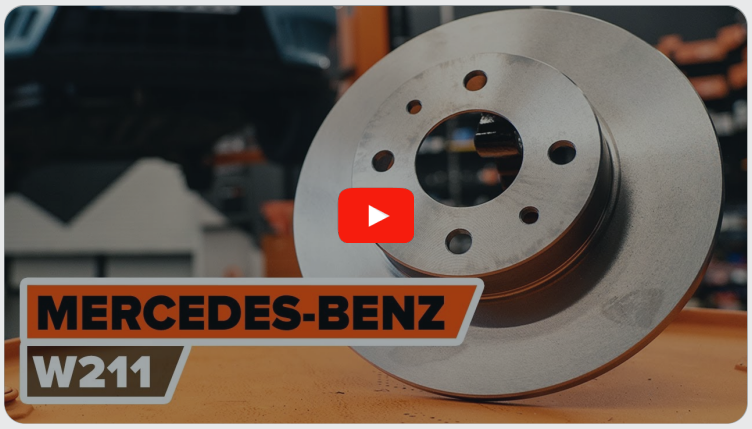
AUTODOC CLUB

How to change rear brake discs on **Mercedes W211** – replacement guide

VIDEO TUTORIAL

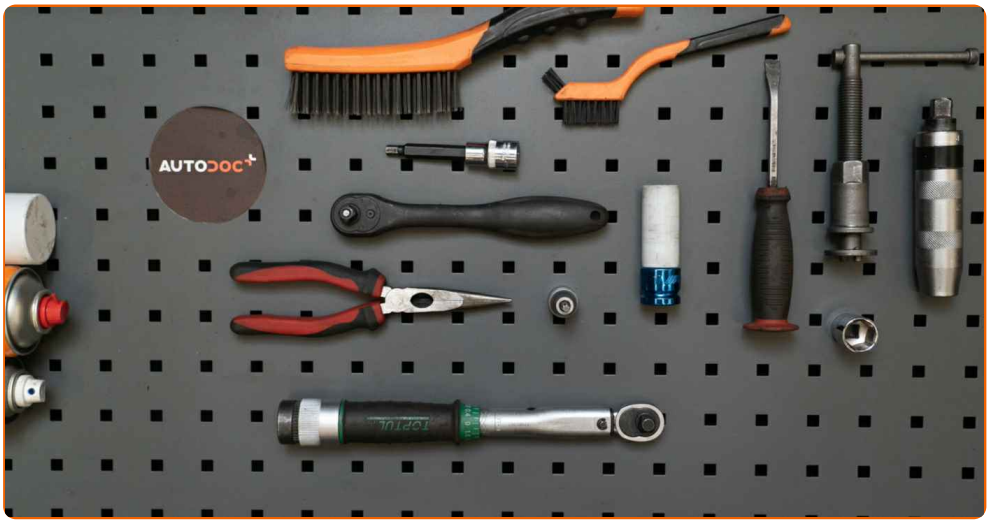


Important!

This replacement procedure can be used for:
MERCEDES-BENZ CLS (C218) CLS 350 (218.359), MERCEDES-BENZ CLS (C218) CLS 350 CDI (218.323), MERCEDES-BENZ E-Class Saloon (W212) E 250 CDI / BlueTEC 4-matic (212.082, 212.097), MERCEDES-BENZ E-Class Saloon (W212) E 300 CDI / BlueTEC (212.020, 212.021, 212.027), MERCEDES-BENZ E-Class Saloon (W212) E 350 CDI (212.023), MERCEDES-BENZ E-Class Saloon (W212) E 350 CDI 4-matic (212.093), MERCEDES-BENZ E-Class Saloon (W212) E 200 NGT (212.041), MERCEDES-BENZ E-Class T-modell (S212) E 350 (212.256), MERCEDES-BENZ E-Class Saloon (W212) E 300 (212.054), MERCEDES-BENZ E-Class T-modell (S212) E 350 CDI (212.223), MERCEDES-BENZ E-Class T-modell (S212) E 350 CDI 4-matic (212.293), MERCEDES-BENZ E-Class T-modell (S211) E 220 T CDI, MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI, MERCEDES-BENZ E-Class T-modell (S212) E 350 (212.259), MERCEDES-BENZ E-Class T-modell (S212) E 350 4-matic (212.288, 212.287), (+ 147)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – MERCEDES W211.
TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # 19
- HEX bit No.H7
- Torx bit T30
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Tap wrench
- Impact screwdriver
- Round-nose pliers
- Crow bar
- Wheel chock

BUY TOOLS

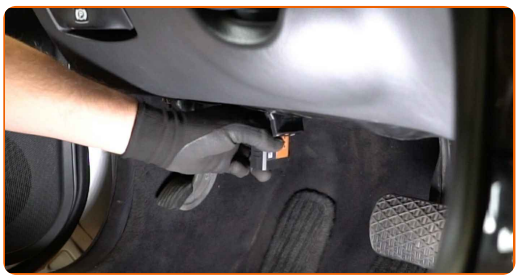
Replacement: brake discs – Mercedes W211. Tip from AUTODOC experts:

- Replace the brake disks on the car Mercedes W211 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – Mercedes W211 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

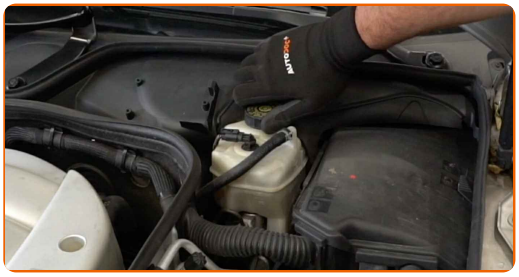
2 Connect the service equipment and switch the SBC system to service mode.



Please note!

- Some vehicles may not have the SBC system.

3 Unscrew the brake fluid reservoir cap.



4 Secure the wheels with chocks.

5 Loosen the wheel mounting bolts. Use wheel impact socket #17.

6 Raise the rear of the car and secure on supports.

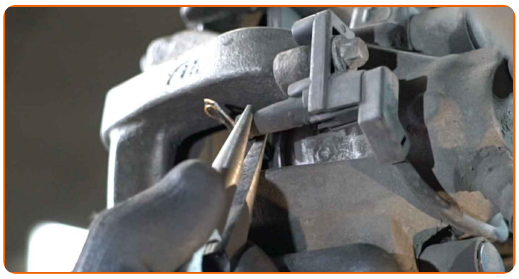
7 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W211

8 Remove the wheel.

9 Detach the connector of the brake pad wear sensor. Use round-nose pliers.



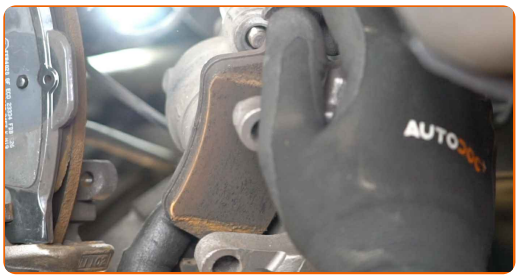
10 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.

11 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.

12 Detach the brake caliper retaining spring. Use a crowbar.

13 Spread the brake pads. Use a crowbar.

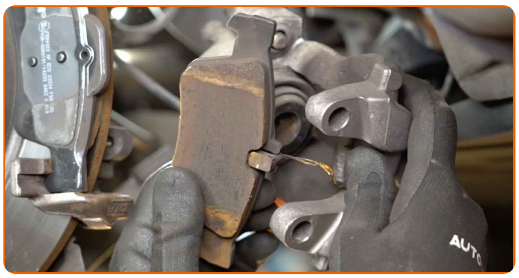
14 Remove the brake caliper.



Replacement: brake discs – Mercedes W211. Tip from AUTODOC:

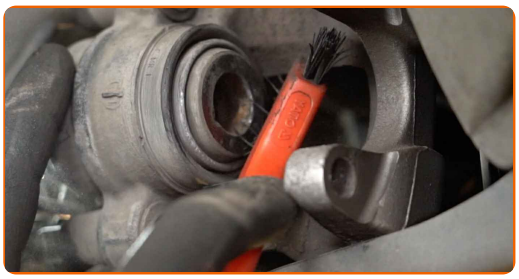
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

15 Remove the brake pads.



16 Disconnect the brake pads wear sensor.

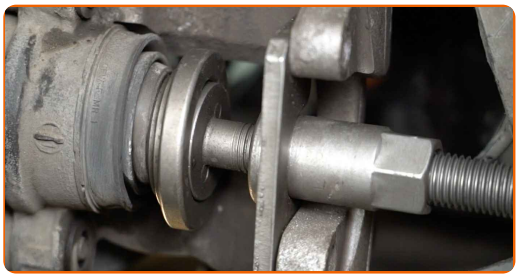
17 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake discs – Mercedes W211. After applying the spray, wait a few minutes.

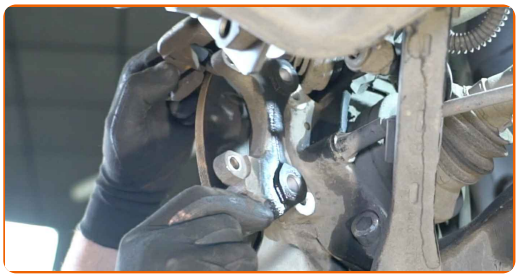
18 Install the brake caliper wind back tool.



19 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

20 Unscrew the caliper bracket fastening. Use a drive socket #19. Use a tap wrench. Use a ratchet wrench.

21 Remove the caliper bracket.

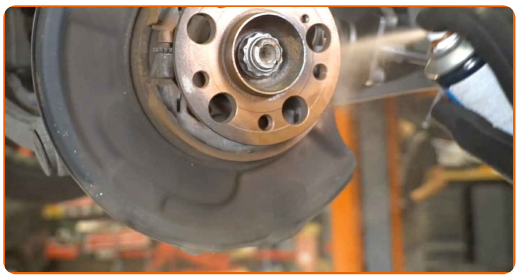


22 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

23 Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.

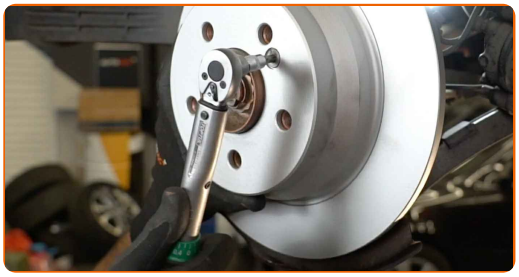
24 Remove the brake disc.

25 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



26 Install the brake disc.

27 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 8 Nm torque.



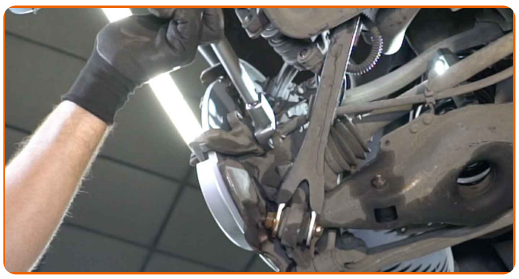
28 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – Mercedes W211. After applying the spray, wait a few minutes.

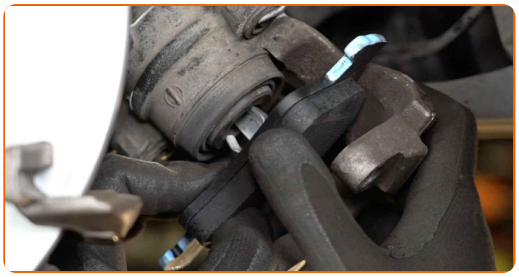
29 Install the brake caliper bracket.

30 Tighten the brake caliper bracket. Use a drive socket #19. Use a torque wrench. Tighten it to 115 Nm torque.



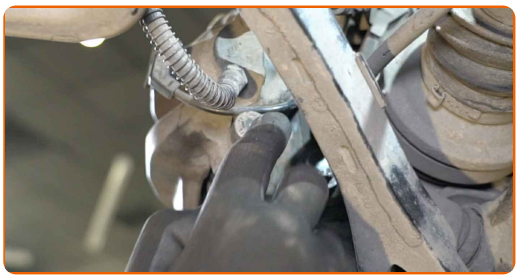
31 Press in the brake caliper piston. Use brake caliper wind back tool.

32 Install the brake pads.

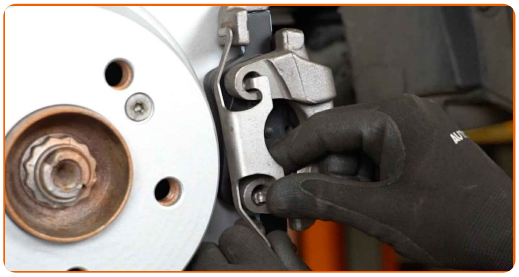


33 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.

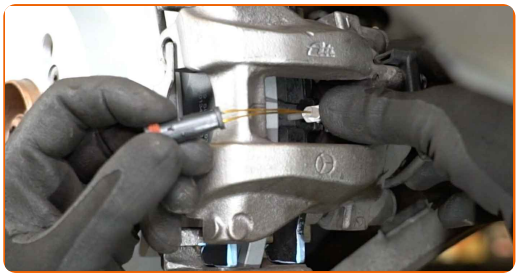
34 Install the dust boot caps of the brake caliper guide pins.



35 Install the brake caliper retaining spring.

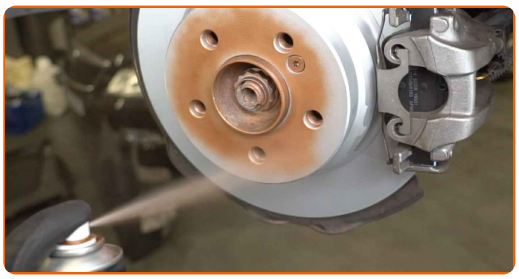


36 Connect the brake pads wear sensor.



37 Attach the connector of the brake pad wear sensor.

38 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



39 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – Mercedes W211. After applying the spray, wait a few minutes.

40 Install the wheel.

AUTODOC recommends:

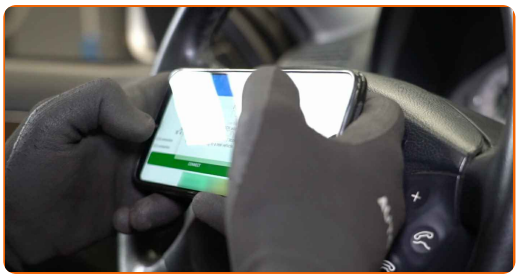
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W211

41 Screw in the wheel bolts. Use wheel impact socket #17.

42 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.

43 Remove the jacks and chocks.

44 Switch the SBC system to operating mode and disconnect the service equipment.



Replacement: brake discs – Mercedes W211. AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

45 Tighten the brake fluid reservoir cap. Close the hood.

Replacement: brake discs – Mercedes W211. AUTODOC experts recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE!

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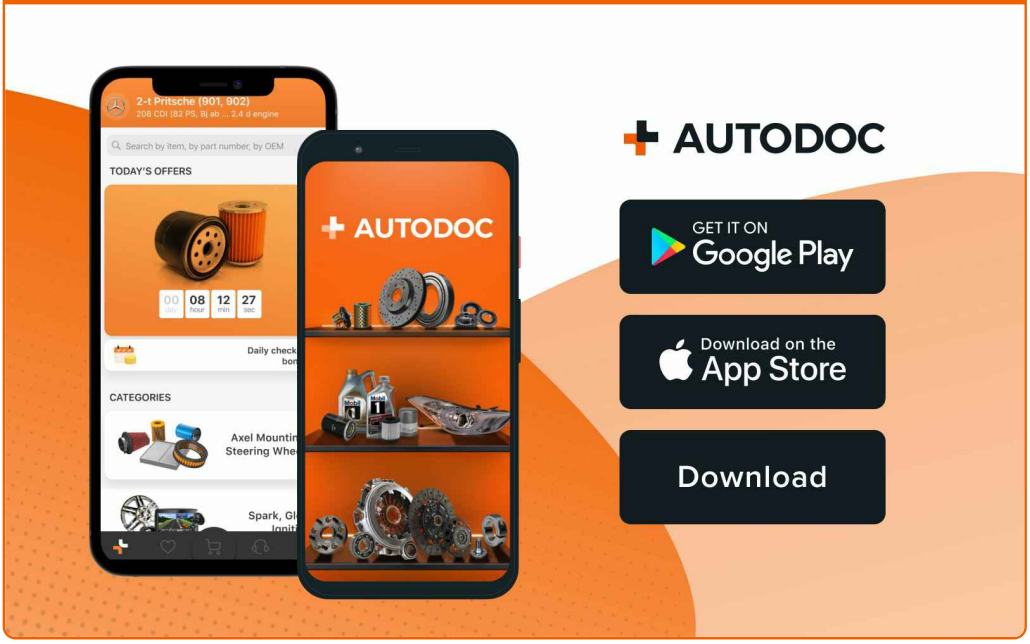

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